

**Department of Labor  
Permanent Administrative  
Regulations**

**Article 45.--BOILER SPECIFICATIONS AND INSPECTIONS**

**49-45-1 Rules for Construction of Power Boilers:** Section I of the American Society of Mechanical Engineers (ASME) boiler and pressure vessel code, an American National Standard, 1986 edition, published July 1, 1998 with addenda published July 1, 1999, is hereby adopted by reference. (Authorized by and implementing K.S.A. 1998 Supp. 44-916; effective, E-79-27, Oct. 19, 1978; effective May 1, 1979; amended May 1, 1984; amended May 1, 1987; amended April 28, 2000.)

**49-45-2 Material Specifications:** Part A--ferrous material specifications. Section II, Part A of the American Society of Mechanical Engineers (ASME) boiler and pressure vessel code, an American National Standard, 1998 edition, published July 1, 1998 and addenda published July 1, 1999, is hereby adopted by reference. (Authorized by and implementing K.S.A. 1998 Supp. 44-916; effective, E-79-27, Oct. 19, 1978; effective May 1, 1979; amended May 1, 1984; amended May 1, 1987; amended April 28, 2000.)

**49-45-3 Material Specifications:** Part B--nonferrous material specifications. Section II, Part B of the American Society of Mechanical Engineers (ASME) boiler and pressure vessel code, an American National Standard, 1998 edition, published July 1, 1998 and addenda published July 1, 1999, is hereby adopted by reference. (Authorized by and implementing K.S.A. 1998 Supp. 44-916; effective, E-79-27, Oct. 19, 1978; effective May 1, 1979; amended May 1, 1984; amended May 1, 1987; amended April 28, 2000.)

**49-45-4 Material Specifications:** Part C--specifications for welding rods, electrodes, and filler metals. Section II, Part C of the American Society of Mechanical Engineers (ASME) boiler and pressure vessel code, an American National Standard, 1998 edition, published July 1, 1998 with addenda published July 1, 1999, is hereby adopted by reference. (Authorized by and implementing K.S.A. 1998 Supp. 44-916; effective, E-79-27, Oct. 19, 1978; effective May 1, 1979; amended May 1, 1984; amended May 1, 1987; amended April 28, 2000.)

**49-45-4a Material Specifications:** Part D--properties. Section II, part D of the American Society of Mechanical Engineers (ASME) boiler and pressure vessel code, an American National Standard, 1998 edition, published July 1, 1998 with addenda published July 1, 1999, is hereby adopted by reference. (Authorized by and implementing K.S.A. 1998 Supp. 44-916; effective April 28, 2000.)

**49-45-5 Rules for Construction of Heating Boilers.** Section IV of the American Society of Mechanical Engineers (ASME) boiler and pressure vessel code, an American National Standard, 1998 edition, published July 1, 1998 with addenda published July 1, 1999, is hereby adopted by reference. (Authorized by and implementing K.S.A. 1998 Supp. 44-916; effective, E-79-27, Oct. 19, 1978; effective May 1, 1979; amended May 1, 1984; amended May 1, 1987; amended April 28, 2000.)

**49-45-6 Nondestructive Examination.** Section V of the American Society of Mechanical Engineers (ASME) boiler and pressure vessel code, an American National Standard, 1986 edition, published July 1, 1998 with addenda published July 1, 1999, is hereby adopted by reference. (Authorized by and implementing K.S.A. 1985 Supp. 44-916; effective, E-79-27, Oct. 19, 1978; effective May 1, 1979; amended May 1, 1984; amended May 1, 1987; amended April 28, 2000.)

**49-45-7 Recommended Rules for the Care and Operation of Heating Boilers.** Section VI of the American Society of Mechanical Engineers (ASME) boiler and pressure vessel code, an American National Standard, 1998

edition, published July 1, 1998 with addenda published July 1, 1999, is hereby adopted by reference. (Authorized by and implementing K.S.A. 1985 Supp. 44-916; effective, E-79-27, Oct. 19, 1978; effective May 1, 1979; amended May 1, 1984; amended May 1, 1987; amended April 28, 2000.)

**49-45-8 Recommended Guidelines for the Care of Power Boilers.** Section VII of the American Society of Mechanical Engineers (ASME) boiler and pressure vessel code, an American National Standard, 1998 edition, published July 1, 1998 with addenda published July 1, 1999, is hereby adopted by reference. (Authorized by and implementing K.S.A. 1998 Supp. 44-916; effective, E-79-27, Oct. 19, 1978; effective May 1, 1979; amended May 1, 1984; amended May 1, 1987; amended April 28, 2000.)

**49-45-9 Welding and Brazing Qualifications.** Section IX of the American Society of Mechanical Engineers (ASME) boiler and pressure vessel code, an American National Standard, 1998 edition, published July 1, 1998 with addenda published July 1, 1999, is hereby adopted by reference. (Authorized by and implementing K.S.A. 1998 Supp. 44-916; effective, E-79-27, Oct. 19, 1978; effective May 1, 1979; amended May 1, 1984; amended May 1, 1987; amended April 28, 2000.)

**49-45-20 National Board Inspection Code (ANSI/NB-23).** The National Board Inspection Code (NBIC), 1998 edition, as in effect on January 1, 1999, an American National Standard, published by the National Board of Boiler and Pressure Vessel Inspectors, is hereby adopted by reference. (Authorized by and implementing K.S.A. 1998 Supp. 44-916; effective, E-79-27, Oct. 19, 1978; effective May 1, 1979; amended May 1, 1984; amended May 1, 1987; amended April 28, 2000.)

**49-45-10 to 49-45-19** (Authorized by and implementing K.S.A. 1985 Supp. 44-916; effective, E-79-27, Oct. 19, 1978; effective May 1, 1979; amended May 1, 1984; amended May 1, 1987; revoked Nov. 22, 1996.)

**49-45-21 Standard for Single Burner Boiler Operations.** NFPA 8501, “standard for single burner boiler operation” of the National Fire Codes, 1997 edition, as in effect on January 1, 1999, published by the National Fire Protection Association (NFPA), is hereby adopted by reference. (Authorized by and implementing K.S.A. 1998 Supp. 44-916; effective May 1, 1984; amended May 1, 1987; amended April 28, 2000.)

**49-45-22 Standard for the Prevention of Furnace Explosions or Implosions in Multiple Burner Boilers:** NFPA 8502, “standard for the prevention of furnace explosions/implosions in multiple burner boilers” of the National Fire Codes, 1999 edition, as in effect on January 1, 1999, published by the National Fire Protection Association (NFPA), is hereby adopted by reference. (Authorized by and implementing K.S.A. 1998 Supp. 44-916; effective May 1, 1984; amended May 1, 1987; amended April 28, 2000.)

**49-45-23 Standard for Pulverized Fuel Systems.** NFPA 8503, “standard for pulverized fuel systems” of the National Fire Codes, 1997 edition, as in effect on January 1, 1999, published by the National Fire Protection Association (NFPA), is hereby adopted by reference. (Authorized by and implementing K.S.A. 1998 Supp. 44-916; effective May 1, 1984; amended May 1, 1987; amended April 28, 2000.)

**49-45-24 Standard on Atmospheric Fluidized-Bed Boiler Operation.** NFPA 8504, “standard on atmospheric fluidized-bed boiler operation” of the National Fire Codes, 1996 edition, as in effect on January 1, 1999, published by the National Fire Protection Association (NFPA), is hereby adopted by reference. (Authorized by and implementing K.S.A. 1998 Supp. 44-916; effective May 1, 1984; amended May 1, 1987; amended April 28, 2000.)

**49-45-25 Standard for Stoker Operation.** NFPA 8505, “standard for stoker operation” of the National Fire Codes, 1998 edition, as in effect on January 1, 1999, published by the National Fire Protection Association (NFPA), is

hereby adopted by reference. (Authorized by and implementing K.S.A. 1998 Supp. 44-916; effective May 1, 1984; amended May 1, 1987; amended April 28, 2000.)

**49-45-26 Standard on Heat Recovery Steam Generator Systems.** NFPA 8506, “standard on heat recovery steam generator systems” of the National Fire Codes, 1998 edition, as in effect on January 1, 1999, published by the National Fire Protection Association (NFPA), is hereby adopted by reference. (Authorized by and implementing K.S.A. 1998 Supp. 44-916; effective May 1, 1984; amended May 1, 1987; amended April 28, 2000.)

**49-45-27 Controls and Safety Devices for Automatically Fired Boilers.** ASME CSD-1, Controls and Safety Devices for Automatically Fired Boilers, 1998 edition, published July 1998 and effective January 1, 1999, is adopted by reference. (Authorized by and implementing K.S.A. 1998 Supp. 44-916; effective May 1, 1987; amended April 28, 2000.)

**49-45-28 Power Piping. ASME B31.1,** “power piping,” ASME code for pressure piping, 1998 edition, as in effect on January 1, 1999, is adopted by reference. (Authorized by and implementing K.S.A. 1998 Supp. 44-916; effective May 1, 1987; amended April 28, 2000.)

**49-45-29 Rules for Construction of Pressure Vessels; Section VIII, Division 1:** of the American Society of Mechanical Engineers (ASME) boiler and pressure vessel code, an American National Standard, 1998 edition, published July 1, 1998 with addenda published July 1, 1999, is hereby adopted by reference. (Authorized by and implementing K.S.A. 1998 Supp. 44-916; effective April 28, 2000.)

**49-45-30 Rules for Construction of Pressure Vessels; Division 2–Alternative Rules. Section VIII, Division 2:** of the American Society of Mechanical Engineers (ASME) boiler and pressure vessel code, an American National Standard, 1998 edition, published July 1, 1998 with addenda published July 1, 1999, is hereby adopted by reference. (Authorized by and implementing K.S.A. 1998 Supp. 44-916; effective April 28, 2000.)

**49-45-31 Rules for Construction of Pressure Vessels; Division 3–Alternative Rules for Construction of High Pressure Vessels. Section VIII, Division 3:** of the American Society of Mechanical Engineers (ASME) boiler and pressure vessel code, an American National Standard, 1998 edition, published July 1, 1998 with addenda published July 1, 1999, is hereby adopted by reference. (Authorized by and implementing K.S.A. 1998 Supp. 44-916; effective April 28, 2000.)

**49-45-32 Uniform Mechanical Code.** The Uniform Plumbing Code, an American National Standard, 1997 edition, published February 1997 by the International Conference of Building Officials, is hereby adopted by reference. (Authorized by and implementing K.S.A. 1998 Supp. 44-916; effective April 28, 2000.)

**49-45-33 International Plumbing Code.** The International Plumbing Code, an American National Standard, 1997 edition, published February 1997 by the International Conference of Building Officials, is hereby adopted by reference. (Authorized by and implementing K.S.A. 1998 Supp. 44-916; effective April 28, 2000.)

**49-45-34 Fiber-Reinforced Plastic Pressure Vessels.** Section X of the American Society of Mechanical Engineers (ASME) boiler and pressure vessel code, an American National Standard, 1998 edition, published July 1, 1998 with addenda published July 1, 1999, is hereby adopted by reference. (Authorized by and implementing K.S.A. 1998 Supp. 44-916; effective April 28, 2000.)